

Iizuka's Figure 1, the second lens system (17) and the third lens system (220) have the same radius of curvature. In contradistinction, the second lens system (14) and the third lens system (18) of the instant application clearly have different radii of curvature.

Since there is no prior art which teaches or suggests the claimed invention as amended, Applicant respectfully requests that the Examiner withdraw all objections to and rejections of the present invention.

Applicant urges that this application is now in condition for allowance and earnestly solicits early and favorable action by the Examiner. If the Examiner believes that issues may be resolved by a telephone interview, the Examiner is respectfully urged to telephone the undersigned at 212-801-2146. The undersigned may also be contacted via e-mail at rzucidloe@gtlaw.com.

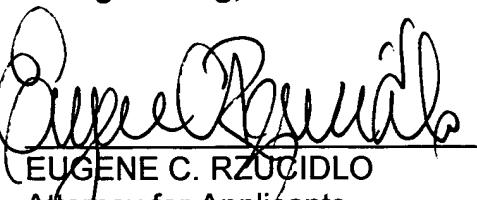
AUTHORIZATION

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 50-1561.

Respectfully Submitted,

Greenberg Traurig, LLP

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Amendment

1. (Amended) An optical scanning apparatus for optically scanning a surface to be scanned at a constant velocity, the optical scanning apparatus comprising:

 a light source for emitting a light flux;

 a first optical lens system for coupling the light flux emitted by the light source to a following optical lens system;

 a second optical lens system for forming the light flux from the first optical lens system into a line image extending in a direction corresponding to a main scanning direction of the surface to be scanned which is perpendicular to a sub scanning direction;

 an optical deflector for deflecting the light flux formed as the line image via a deflecting reflective plane thereof, which is located near where the line image is formed; and

 a third optical lens system for condensing the deflected light flux as an optical beam spot on the surface to be scanned; wherein

 the second optical lens system includes a glass lens and at least one plastic lens having a non-arc shape, wherein the at least one plastic lens has a negative power in the sub scanning direction[.], and

a variation in a radius of curvature of an imaging surface of the second optical lens system is opposite to that in a radius of curvature of an imaging surface of the third optical lens system in the sub-scanning direction in accordance with a change in temperature.

2. (Amended) A method of manufacturing an optical scanning apparatus, the method comprising the steps of:

providing a light source for emitting a light flux;

arranging a first optical lens system so as to couple the light flux emitted by the light source to a following optical lens system;

forming a second optical lens system to include a glass lens and at least one plastic lens having a non-arc shape and negative power in a sub scanning direction;

arranging the second optical lens system following the first optical lens system such that the second optical lens system forms the light flux from the first optical lens system into a line image extending in a direction corresponding to a main scanning direction of the surface to be scanned which is perpendicular to the sub scanning direction;

arranging an optical deflector so as to deflect the light flux formed as the line image via a deflecting reflective plane thereof, which is located near where the line image is formed; and

arranging a third optical lens system so as to condense the deflected light flux as an optical beam spot on the surface to be scanned[.], and wherein

a variation in a radius of curvature of an imaging surface of the second optical lens system is opposite to that in a radius of curvature of an imaging surface of the third optical lens system in the sub-scanning direction in accordance with a change in temperature.

3. (Amended) An optical scanning apparatus for optically scanning a surface to be scanned at a constant velocity, the optical scanning apparatus comprising:

means for emitting a light flux;

means for coupling the light flux emitted by said means for emitting a light flux to a means for forming the light flux into a line image;

means for forming the light flux received from the means for coupling the light flux into a line image extending in a direction corresponding to a main scanning direction of the surface to be scanned which is perpendicular to a sub scanning direction;

means for deflecting the light flux formed as the line image via a deflecting reflective plane thereof, which is located near where the line image is formed; and

means for condensing the deflected light flux as an optical beam spot on the surface to be scanned; wherein

the means for forming the light flux into the line image includes a glass lens and at least one plastic lens having a non-arc shape and negative power in the sub scanning direction[.], and wherein

a variation in a radius of curvature of an imaging surface of the second optical lens system is opposite to that in a radius of curvature of an imaging surface of the third optical lens system in the sub-scanning direction in accordance with a change in temperature.

4. (Amended) An image forming apparatus for forming an image by optically scanning a surface to be scanned at a constant velocity, the image forming apparatus comprising:

means for emitting a light flux;

means for coupling the light flux emitted by said means for emitting a light flux to a means for forming the light flux into a line image;

means for forming the light flux received from the means for coupling the light flux into a line image extending in a direction corresponding to a main scanning direction of the surface to be scanned which is perpendicular to a sub scanning direction;

means for deflecting the light flux formed as the line image via a deflecting reflective plane thereof, which is located near where the line image is formed; and means for condensing the deflected light flux as an optical beam spot on the surface to be scanned; wherein

the means for forming the light flux into the line image includes a glass lens and at least one plastic lens having a non-arc shape and negative power in the sub scanning direction[.], and wherein

a variation in a radius of curvature of an imaging surface of the second optical lens system is opposite to that in a radius of curvature of an imaging surface of the third optical lens system in the sub-scanning direction in accordance with a change in temperature.